

THE WILKINSON PRIZE FOR NUMERICAL SOFTWARE

In honor of the outstanding contributions of James Hardy Wilkinson to the field of numerical software, Argonne National Laboratory, the National Physical Laboratory, and the Numerical Algorithms Group award a numerical software prize of US \$3000. Previous prizes have been awarded at the International Conference in Industrial and Applied Mathematics (ICIAM):

1991	Linda Petzold	DASSL
1995	Chris Bischof and Alan Carle	ADIFOR 2.0
1999	Matteo Frigo and Steven Johnson	FFTW
2003	Jonathan Shewchuk	Triangle
2007	Wolfgang Bangerth, Ralf Hartmann and Guido Kanschat	deal.II

The 2011 prize will be awarded at ICIAM 2011 in Vancouver, July 18–22, 2011. For additional information, see www.iciam2011.com.

Rules for Submission

Each author of an entry must be at most 40 years of age on January 1, 2010. Each entry must contain the following:

- Software written in a widely available high-level programming language.
- A two-page summary of the main features of the algorithm and software implementation.
- A paper describing the algorithm and the software implementation. The paper should give an analysis of the algorithm and indicate any special programming features.
- Documentation of the software, which describes its purpose and method of use.
- Examples of use of the software, including a test program and data.

Submissions must be in English. Entries must be received by September 1, 2010.

Selection Criteria

The award will be made to the entry that best addresses all phases of the preparation of high-quality numerical software, including

- clarity of the paper and of the software implementation and documentation;
- importance of application addressed by the software;
- portability, reliability, efficiency, and usability of the software implementation;
- depth of analysis of the algorithm and the software;
- quality of the test software.

Submissions

Each submission should be in the form of a gzipped, tar archive. Submissions should include a `README` file describing the contents of the archive and `scripts` for executing the test programs. Submissions can be sent by email to wilkinson-prize@mcs.anl.gov. Contact this address for further information.